

ABSTRACT OF THE DISCLOSURE**METHOD AND APPARATUS FOR COUNTING EXECUTION OF SPECIFIC INSTRUCTIONS AND ACCESSES TO SPECIFIC DATA LOCATIONS**

A method, apparatus, and computer instructions in a data processing system for monitoring the execution of instructions and accesses to memory locations. If an instruction is associated with a indicator, a counter associated with the instruction is incremented in response to detecting execution of the instruction. The indicator may be associated with a memory location with a counter associated with the memory location being incremented in response to an access of the memory location.